

Description of proposed system:

To establish P25 coverage in the south area of Hardin County. New RF equipment will be added to an existing tower in the city of Sour Lake. The RF site will extend the coverage of the existing South East Texas Regional Radio System (SETRRS) into this part of Hardin County.

The follow six frequency pairs have been selected from the Region 51 channel allocation based on surrounding frequency assignments and intermodulation studies including co-located VHF frequencies.

Sour Lake	CH #	Base TX	Base RX
CH 1	163	770.01875	800.01875
CH 2	207	770.29375	800.29375
CH 3	243	770.51875	800.51875
CH 4	395	771.46875	801.46875
CH 5	423	771.64375	801.64375
CH 6	451	771.81875	801.81875

Justification:

The regional system provides coverage in Jefferson County, western Orange County, and northern Hardin County. These six frequencies are requested to provide P25 coverage and additional capacity in the southern area of Hardin County.